Applicant: Moroni, A.

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wherein R<sub>1</sub> and R<sub>3</sub> are the same or different groups and are independently selected from the naphthalene dicarboxylate derivative repeating unit (I), a hydrogen radical and a methyl radical. R<sub>2</sub> is an alkylene radical having 1 to 6 carbon atoms; n is from 10 to 200. Also contemplated are implantable prostheses that are flat constructions useful as patches and filters or tubular constructions useful as vascular grafts. A further aspect of this invention provides a method for making a radiation and thermal resistant and hydrolytically stable, steam sterilizable biocompatible prosthesis.

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